



Accurate Mass: 222.198365

Percentage Composition: C 81.02%; H 11.78%; O 7.19%

Biological Source: Isol. from wood oil of *Myoporum crassifolium*. Constit. of *Abies*, *Picea* and *Pinus* spp.

Physical Description: Oil

Boiling Point: Bp₁ 114°

Optical Rotation: $[\alpha]_{\text{D}} -69$ (c, 1.3 in EtOH)

>> **Derivative:** *p*-Phenylazophenylurethane

Physical Description: Orange needles (petrol)

Melting Point: Mp 103-103.5°

Optical Rotation: $[\alpha]_{\text{D}} -7$ (c, 1 in CHCl₃)

>> **Derivative:** 7-*O*-Lyxopyranoside

CAS Registry Number: 258337-41-6

Molecular Formula: C₂₀H₃₄O₅

Molecular Weight: 354.486

Accurate Mass: 354.240625

Percentage Composition: C 67.77%; H 9.67%; O 22.57%

Biological Source: Constit. of *Biebersteinia heterostemon*

>> **Variant:** (6*S*,7*S*)-form

Synonym(s): (–)- α -Bisabolol. Levomenol, INN

CAS Registry Number: 23089-26-1

Molecular Formula: C₁₅H₂₆O

Molecular Weight: 222.37

Accurate Mass: 222.198365

Percentage Composition: C 81.02%; H 11.78%; O 7.19%

Biological Source: Isol. from essential oil of *Matricaria chamomilla* (chamomile oil). Also from *Vanillosmopsis erythropappa*

Physical Description: Yellowish oil with sweetish odour

Boiling Point: Bp₁₂ 153°

Optical Rotation: $[\alpha]_{\text{D}}^{24} -68.4$ (c, 1.16 in EtOH)

Density: d_4^{20} 0.921

Refractive Index: n_{D}^{20} 1.4936

Calculated Log P Data: Log P 4.66 (calc)

Hazard & Toxicity: LD₅₀ (rat) 0.014 mg/kg

>> **Variant:** (6*ξ*,7*ξ*)-form

Molecular Formula: C₁₅H₂₆O

Molecular Weight: 222.37

Accurate Mass: 222.198365

Percentage Composition: C 81.02%; H 11.78%; O 7.19%

>> **Derivative:** *O*-(6-Deoxy- β -D-altropyranoside)

CAS Registry Number: 79197-22-1

Molecular Formula: C₂₁H₃₆O₅

Molecular Weight: 368.512

Accurate Mass: 368.256275

Percentage Composition: C 68.45%; H 9.85%; O 21.71%

Biological Source: Constit. of *Carthamus turkistanikus*

Physical Description: Gum

Optical Rotation: $[\alpha]_{\text{D}}^{24} -6.5$ (c, 1 in CHCl₃)

Other Data: Config. unknown

References: